



IFW16

## RAW SEQUENCE LISTING

DATE: 08/20/2004

PATENT APPLICATION: US/09/998,805

TIME: 10:41:12

Input Set : A:\PTO.LM.txt

Output Set : N:\CRF4\08202004\I998805.raw

3 &lt;110&gt; APPLICANT: Wimberly, Brian

4 Ramakrishnan, Venkatraman

6 <120> TITLE OF INVENTION: Crystal Structure of Ribosomal Protein L11/GTPase Activating  
Region rRNA

7 and Uses Thereof

9 &lt;130&gt; FILE REFERENCE: 22620/1132

11 &lt;140&gt; CURRENT APPLICATION NUMBER: US 09/998,805

12 &lt;141&gt; CURRENT FILING DATE: 2001-11-01

14 &lt;150&gt; PRIOR APPLICATION NUMBER: US 60/134,171

15 &lt;151&gt; PRIOR FILING DATE: 1999-05-13

17 &lt;150&gt; PRIOR APPLICATION NUMBER: PCT/US0012019

18 &lt;151&gt; PRIOR FILING DATE: 2000-05-03

20 &lt;160&gt; NUMBER OF SEQ ID NOS: 5

22 &lt;170&gt; SOFTWARE: PatentIn version 3.1

24 &lt;210&gt; SEQ ID NO: 1

25 &lt;211&gt; LENGTH: 142

26 &lt;212&gt; TYPE: PRT

27 &lt;213&gt; ORGANISM: Escherichia coli

29 &lt;400&gt; SEQUENCE: 1

31 Met Ala Lys Lys Val Gln Ala Tyr Val Lys Leu Gln Val Ala Ala Gly

32 1 5 10 15

35 Met Ala Asn Pro Ser Pro Pro Val Gly Pro Ala Leu Gly Gln Gln Gly

36 20 25 30

39 Val Asn Ile Met Glu Phe Cys Lys Ala Phe Asn Ala Lys Thr Asp Ser

40 35 40 45

43 Ile Glu Lys Gly Leu Pro Ile Pro Val Val Ile Thr Val Thr Ala Asp

44 50 55 60

47 Arg Ser Phe Thr Phe Val Ile Lys Thr Pro Pro Ala Ala Val Leu Leu

48 65 70 75 80

51 Lys Lys Ala Ala Gly Ile Lys Ser Gly Ser Gly Lys Pro Asn Lys Asp

52 85 90 95

55 Lys Val Gly Lys Ile Ser Arg Ala Gln Leu Gln Glu Leu Ala Gln Thr

56 100 105 110

59 Lys Ala Ala Asp His Thr Gly Ala Asp Ile Glu Ala Met Thr Arg Ser

60 115 120 125

63 Ile Glu Gly Thr Ala Arg Ser Met Gly Leu Val Val Glu Asp

64 130 135 140

67 &lt;210&gt; SEQ ID NO: 2

68 &lt;211&gt; LENGTH: 141

69 &lt;212&gt; TYPE: PRT

70 &lt;213&gt; ORGANISM: Thermotoga maritima

72 &lt;400&gt; SEQUENCE: 2

74 Met Ala Lys Lys Val Ala Ala Gln Ile Lys Leu Gln Leu Pro Ala Gly

75 1 5 10 15



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78 Lys Ala Thr Pro Ala Pro Pro Val Gly Pro Ala Leu Gly Gln His Gly
79          20          25          30
82 Val Asn Ile Met Glu Phe Cys Lys Arg Phe Asn Ala Glu Thr Ala Asp
83          35          40          45
86 Lys Ala Gly Met Ile Leu Pro Val Val Ile Thr Val Tyr Glu Asp Lys
87          50          55          60
90 Ser Phe Thr Phe Ile Ile Lys Thr Pro Pro Ala Ser Phe Leu Leu Lys
91 65          70          75          80
94 Lys Ala Ala Gly Ile Glu Lys Gly Ser Ser Glu Pro Lys Arg Lys Ile
95          85          90          95
98 Val Gly Lys Val Thr Arg Lys Gln Ile Glu Glu Ile Ala Lys Thr Lys
99          100          105          110
102 Met Pro Asp Leu Asn Ala Asn Ser Leu Glu Ala Ala Met Lys Ile Ile
103          115          120          125
106 Glu Gly Thr Ala Lys Ser Met Gly Ile Glu Val Val Asp
107          130          135          140
110 <210> SEQ ID NO: 3
111 <211> LENGTH: 139
112 <212> TYPE: PRT
113 <213> ORGANISM: Sulfolobus acidocaldarius
115 <400> SEQUENCE: 3
117 Met Pro Thr Lys Thr Ile Lys Ile Met Val Glu Gly Gly Ser Ala Lys
118 1          5          10          15
121 Pro Gly Pro Pro Leu Gly Pro Thr Leu Ser Gln Leu Gly Leu Asn Val
122          20          25          30
125 Gln Glu Val Val Lys Lys Ile Asn Asp Val Thr Ala Gln Phe Lys Gly
126          35          40          45
129 Met Ser Val Pro Val Thr Ile Lys Ile Asp Ser Ser Thr Lys Lys Tyr
130          50          55          60
133 Asp Ile Lys Val Gly Val Pro Thr Thr Thr Ser Leu Leu Leu Lys Ala
134 65          70          75          80
137 Ile Asn Ala Gln Glu Pro Ser Gly Asp Pro Ala Lys Lys Lys Ile Gly
138          85          90          95
141 Asn Leu Asp Leu Glu Gln Leu Ala Asp Leu Ala Ile Lys Lys Lys Pro
142          100          105          110
145 Gln Leu Ser Ala Lys Thr Leu Thr Ala Ala Ile Lys Ser Leu Leu Gly
146          115          120          125
149 Thr Ala Arg Ser Ile Gly Ile Thr Val Glu Gly
150          130          135
153 <210> SEQ ID NO: 4
154 <211> LENGTH: 146
155 <212> TYPE: PRT
156 <213> ORGANISM: Saccharomyces cerevisiae
158 <400> SEQUENCE: 4
160 Met Pro Pro Lys Phe Asp Pro Asn Glu Val Lys Tyr Leu Tyr Leu Arg
161 1          5          10          15
164 Ala Val Gly Gly Glu Val Gly Ala Ser Ala Ala Leu Ala Pro Lys Ile
165          20          25          30
168 Gly Pro Leu Gly Leu Ser Pro Lys Lys Val Gly Glu Asp Ile Ala Lys

```

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```

169          35          40          45
172 Ala Thr Lys Glu Phe Lys Gly Ile Lys Val Thr Val Gln Leu Leu Ile
173          50          55          60
176 Gln Met Arg Gln Ala Ala Ala Ser Val Val Pro Ser Ala Ser Ser Leu
177 65          70          75          80
180 Val Ile Thr Ala Leu Lys Glu Pro Pro Arg Asp Arg Lys Lys Asp Lys
181          85          90          95
184 Asn Val Lys His Ser Gly Asn Ile Gln Leu Asp Glu Ile Ile Glu Ile
185          100          105          110
188 Ala Lys Gln Met Arg Asp Lys Ser Phe Gly Arg Thr Leu Ala Ser Val
189          115          120          125
192 Thr Lys Thr Ile Leu Gly Thr Ala Gln Ser Val Gly Cys Arg Val Asp
193          130          135          140
196 Phe Lys
197 145
200 <210> SEQ ID NO: 5
201 <211> LENGTH: 58
202 <212> TYPE: RNA
203 <213> ORGANISM: Thermotoga maritima
205 <400> SEQUENCE: 5
206 gcugggaugu uggcuuagaa gcagccauga uuuaaaaggu gcguaacagc ucaccagc

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RAW SEQUENCE LISTING ERROR SUMMARY  
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Invalid Line Length:

The rules require that a line not exceed 72 characters in length. This includes spaces.

Seq#:1; Line(s) 6

VERIFICATION SUMMARY

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